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A3 54. A tool as in claim 50, wherein the first shape, the second shape, and the intermediate shape are all substantially the same.

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55. A tool comprising a cutting edge that extends from a first end to a second end and has an intermediate portion between the first end and the second end, the cutting edge having a controlled hone formed on it, the hone having a first shape and first dimensions at the first end, a second shape and second dimensions at the second end, and an intermediate shape and intermediate dimensions along the intermediate portion, at least one of the intermediate shape and intermediate dimensions varying continuously between the first end and the second end.

56. A tool as in claim 55, wherein the first shape and second shape are substantially the same.

57. A tool as in claim 55, wherein the first shape is different from the second shape.

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58. A tool comprising a cutting edge that extends from a first end to a second end and has an intermediate portion between the first end and the second end, the cutting edge having a controlled hone formed on it, the hone having a shape and dimensions which vary continuously along the intermediate portion from the first end to the second end.

REMARKS

The above identified application is a divisional of Application Serial No. 09/428,726. Claims 38-42 of the originally filed parent application were directed to a tool having a honed cutting edge. Included in these claims were independent claims 38, 41 and 42. Additional claims 43-58 also directed to a tool having a honed cutting edge were added to the parent application by amendment. In a restriction of the parent application, claims 43-58 were collectively identified as Group III. The claims of the originally filed parent application have been amended herein to present the Group III claims.

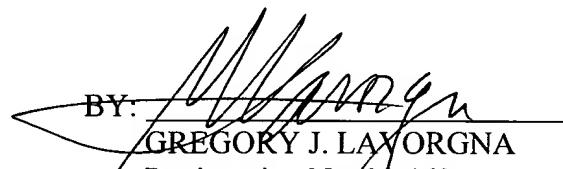
New formal drawings have been submitted concurrently with the transmittal of the divisional application. Figures which were collectively identified as Figure 2 in the

originally filed drawings have been identified in the formal drawings as Figures 2A-C. The specification has amended accordingly.

No new matter is added by this amendment. Support for the added claims may be found at pages 11-14 and in Figures 11-13 and 15a and 15b of the specification. Entry of the foregoing amendment and an early action on the merits is solicited.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification:

The third paragraph of page 5 has been amended as follows:

[FIG. 2 is an illustration] FIGS. 2A-C are illustrations of [several] generic cutting tools showing a representative tool edge.

The paragraph spanning pages 6-7 has been amended as follows:

Referring to [FIGS. 2, and 3a-3c] FIGS. 2a-3c, the workpiece 22 is shown with its edge 50 in an un-honed condition (FIG. 3a), with a radius hone 52 (FIG 3b) and a tapered hone, such as the waterfall hone 54 (FIG. 3c). In order to form the various hones, the apparatus 10 is configured to control the position of the workpiece edge relative to the abrasive brush. In the embodiment of the invention shown in FIG. 1, the relative location of the workpiece edge from the abrasive brush is achieved by changing the position of the motor 24 through the use of a horizontal movement mechanism 26 and a vertical movement mechanism 28 as will be discussed in more detail below.